

# Protector Intrusion Detection System (IDS)

DS-PCU-IDS Rev A



## Fully Encrypted for high-security applications

The Protector Intrusion Detection System delivers advanced AES encrypted protection for both new and existing high security alarm installations. Protector's CeLAN expansion provides secure 128-bit AES encrypted communication between all CeLAN devices connected to the system. Utilizing CeLAN sensors the system provides that secure communication all the way into the sensor to protect against system tampering.

## Features

- Eight general purpose inputs
- Supports up to 256 supervised, hard-wire zones
- 12 pre-defined zone configurations
- 8 partitions
- Up to 252 definable access codes
- 12VDC 5 Amp auxiliary power output
- Dual CeLAN ports, supports up to 100 devices
- 6000 event buffer with time and date stamp
- Field upgradeable software
- Modular design for easy expansion
- CeLAN expansion – Fiber Optics or TCP/IP
- Scrambled keypad for high security applications
- Encrypted receiver – full system reporting
- High efficiency power supply
- 2 on-board relays – full conditional programming
- Scheduled arming
- 12 or 24 hour clock display
- User and installer help menus
- Auto daylights savings option
- Each zone capable of reporting the following:
  - Open circuit
  - Short circuit
  - Ground fault high
  - Ground fault low
- Configurable to an Instant 24 Zone system
- Print all or selectable items
- Real time battery voltage and current readings
- Supports up to 3 back-up batteries (54 Ahr)

## Industry's most secure intrusion detection system, yet simple to install, and operate

- Simple Touch Screen Operation
- Auto device enrollment
- Easy arm/disarm features



# Protector Intrusion Detection System

## Specifications

**Power Requirements:** 24 VAC nominal (16.0 VAC minimum, 35 VAC maximum), Rated output current is only available at 24 VAC or above. Limited output current is available at 16.0 VAC minimum. Operating below 24 VAC Nominal is intended for short term emergency operation only.

**Output Power:** 10-14 VDC @ 5A Max, 2.5A Standby

**Maximum battery charging (standby):** 1.5 A

**CINCH Stick Port:** One (1) - 128 Bit AES Encrypted, CINCH Stick port.

**Inputs:** Eight supervised, hardwired zones, 3.0 K ohm

**Outputs:** Two, panel programmable outputs with "Form C" relay contacts (COMMON, N/C, N/O). Relay contacts rated 4A @ 24 VDC, 4A@24VAC, 1A@40VAC maximum.

**Operating Temperature:** 32° to 120° F (0° to 49° C), up to 140° F (60° C) under temporary conditions

**Maximum Humidity:** 90% relative humidity

**Listings:** UL 1076

FCC Part 15

FIPS 197 Cert # 1125



**Panel Data Bus:** CeLAN - 128 Bit AES Encrypted, two electrically independent, CeLAN data buses with a maximum of 100 devices total.

### Ordering:

**Control Panel**  
PCU-IDS Protector Panel

**Touch Screen**  
Ce-TS Touch Screen

**Expansion Modules**  
Ce-2ZI 2 Zone Input  
Ce-8ZI 8 Zone Input  
Ce-4RO 4 Relay Output  
Ce-24ZI 24 Zone Input

**Communication Modules**  
Ce-FC-N Fiber Conversion  
Ce-TCP/IP Network Module  
Ce-FC-ER Fiber Conversion

#### CeLAN Modules

Ce-DS938Z Motion  
Ce-DS308 Motion  
Ce-DSISC Motion  
Ce-M3ZS HSS L2 Contact  
Ce-M1ZRS Recessed Contact  
Ce-1076DRS Recessed Contact  
Ce-1076HRS Recessed Contact  
Ce-U1Z Universal 1 Zone  
Ce-WF2ZI Wellsfargo Contact  
Ce-U2Z Universal 2 Zone

#### Receivers

Ce-AESR-IDS AES Receiver

#### CeLAN Accessories

CO-CSU Cinch Stick  
CO-PS2KI Keyboard Module  
CO-T-P Panel Tester  
CO-T-8Z 8 Zone Tester  
CO-T-4R 4 Relay Tester  
CO-T-Printer Printer Tester  
CO-PRSI Siren Supervision  
Ce-EX Expansion Module

#### Power

ACC-24T-100 Transformer  
ACC-B12-18 18Ahr Battery  
ACC-B12-7 7Ahr Battery  
ACC-6P Power Cord  
E-CB Termination Box

#### Accessories

L-M-KD Panel Lock  
L-M-KA Panel Lock  
ACC-CFC-S Fiber Cable  
L-S Standard Panel Lock  
ACC-CFC-MM Fiber Cable  
S-ET Panel Tamper

#### Enclosures

E-P Panel Enclosure  
E-P-Kit  
E-CP Plastic Enclosure  
E-PA Accessory Enclosure  
E-PA-Kit  
E-PA-S Small Accessory Enclosure  
E-PA-S-Kit

For more information: [www.cinchsystems.com](http://www.cinchsystems.com)

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**CINCH**  
AES ENCRYPTED